



Breckenridge, Colorado



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8 SEPTEMBER 2007

Shock Hill/Claimjumper Mine Site Removal Action Completion Breckenridge, Summit County, Colorado

Project Description

The U.S. Environmental Protection Agency (EPA) and U.S. Department of Agriculture - Forest Service (Forest Service) completed a joint mine waste cleanup for the Shock Hill/Claimjumper mine site on Airport Road in north-west Breckenridge. Mining waste piles containing high concentrations of lead and arsenic near and most accessible to the residential settings in the Shock Hill/Claimjumper area were moved to the Wellington-Oro mine site on French Gulch Road. The Wellington-Oro mine site includes a public land parcel surrounded by property owned by the Town of Breckenridge and Summit County.

The cleanup work included the following:

- Waste hauling began on July 11 and continued through July 24, 2007. The Claimjumper area waste piles that were hauled included Pile 18, which was accessed from behind the Pinewood Village Apartments. Hauling occurred over 11 days with three of those being partial days.
- As of July 24, a total of 776 loads (approximately 8000 cubic yards) of waste rock had been hauled to the Wellington-Oro mine site from the Shock Hill/Claimjumper area.
- Air monitoring was performed throughout the hauling operation. Airborne dust concentrations were no higher during hauling operations than prior to hauling operations. Air filter samples were analyzed for lead and arsenic. Arsenic was not detected, and the lead concentration in dust was well below the National Ambient Air Quality Standard.
- The estimated total quantity of waste rock and soil from Shock Hill/Claimjumper and the Wellington Neighborhood placed at the Wellington-Oro mine repository is 10,000 cubic yards.
- In addition to the Wellington Neighborhood waste material, the developer provided a source of 6,000 to 7,000 cubic yards of cover/cap soil. The soil was used to create a clean soil cap of up to 24 inches over the 10,000 cubic yards of waste placed in the Wellington-Oro repository.
- Run-on and run-off controls were constructed around the perimeter of the capped area. In addition to a vegetative cover, these will contribute to maintaining the soil cover and reducing erosion.
- Re-vegetation started at the end of August and will be completed in early September. This will include adding amendments to the soil, seeding, and spreading mulch or erosion blanket placement for steeper slopes.
- The Forest Service will work to eliminate

trail access to three small, remote waste piles at the Shock Hill/Claimjumper area and place cover and seeding to the degree possible.

- EPA and the Forest Service will maintain the cap, vegetative cover and run-on/run-off controls at the Wellington-Oro mine repository for three years. After three years, the Town of Breckenridge and Summit County will maintain the repository.

The threat to public health that was identified in the Removal Action Memorandum for this site was mitigated. As stated above, the threat posed by high levels of lead present in soil adjacent to residences was the focus of this action. The mine material placed at the Wellington Oro mine does not create an additional environmental threat. In fact, the material is capped and as result has provided clean cover over areas not previously capped. Also, the material from the Claimjumper area showed no metals leaching above background groundwater metals levels. The No further action is planned for this site.

The Site is not a National Priorities List (Superfund) site nor is it proposed to be on the list.

For further information on the Shock Hill/Claimjumper removal action, please contact:

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Information Repositories:

South Branch, Summit County Library
504 Airport Road
Breckenridge, CO 80424
(970) 453-6098
M-Th 9:00 AM-7:00 PM
F-Sat 9:00 AM-5:00 PM

USEPA Superfund Records Center
1595 Wynkoop Street Denver, CO 80202
(303) 312-6487
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